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PUNCHING APPARATUS  
AND THE PUNCHING UNIT THEREOF

ABSTRACT

A punching apparatus is provided which can punch a non-circular holes at a predetermined position of a work piece. In the punching apparatus for punching a hole by means of a punch integrated into anyone of the moving part of a press working machine or the supporting part of the press working machine, and a die integrated with the other one of the moving part and the supporting part; each of the punch and the die has plurality of planes to be fitted with datum planes of a fitting jig. The punching unit for the punching apparatus comprises a punch, a die, and a fitting jig for positioning the punch and the die with respect to each other, wherein each of the punch and the die has plurality of faces for fitting and the fitting jig has datum planes to be fitted with the planes for fitting of the punch and the die.